

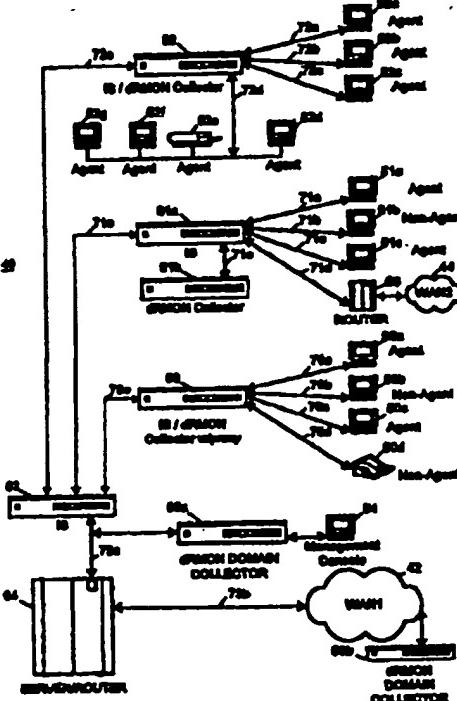
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(54) Abstract Title
Improved distributed remote monitoring (dRMON) for networks

(57) Distributed remote monitoring (dRMON) of network traffic and performance uses distributed nodes to collect traffic statistics at distributed points in the network. These statistics are forwarded to collectors which compile the statistics to create combined views of network performance. A collector may mimic a prior art, non-distributed, network probe and may interact with network management software as though it were a stand-alone network probe thereby simplifying a user's interaction with the distributed system. The Invention is designed to work in accordance with a variety of standard network management protocols including SNMP, RMON, and RMON2 but is not limited to those environments. The invention has applications in a variety of communication system environments including local area networks, cable television distribution systems, ATM systems, and advanced telephony systems. A specific embodiment of the invention is particularly optimized to work in LAN environments with end systems running under Windows-compatible network operating systems.



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